Philips Lumiblade OLED SI210.105
improved signs with organic light

PHILIPS
The new form of light
For the first time in the history of light the OLED has given users access to a truly flat light source. The 2.5 millimeter (0.09 inch) thin OLEDs produce a pleasant and homogenous light over their entire surface that is both uniform and direct. Furthermore, they barely get warmer than 30°C (86°F) during operation. This makes them an ideal light source for integrating with other materials without causing heat damage.

Conspicuously inconspicuous
Be it in an event venue, airport, office building or hotel, without clear signs to guide them, many visitors would be lost. This is especially true in emergencies. Older solutions have been characterised mainly by the fact that they jar with the architectural environment and in most cases are not even self-illuminating. Would it not be nice to have a solution to hand that draws attention to itself for the information it conveys and not for its design? OLEDs are exactly this solution. They are so thin that they blend in to become part of the whole. At the same time, their entire surface illuminates to provide direct light for notices and guidance.

OLEDs are a very environmentally friendly light source. They are more than 99.9 percent glass and can be recycled easily. Lumiblade OLEDs already meet strict EU directives such as RoHS and REACH.

Function and design in one
Today light no longer simply carries out a functional task but forms an important part of overall architectural concepts. Until now this has been hard to achieve for example for emergency exit signs. The available solutions were primarily devised to satisfy norms and laws but not design requirements. Lumiblade OLEDs change this situation dramatically. The modern lighting technology opens a wide range of opportunities that have been unthinkable until now. OLEDs are in a sense a self-illuminating canvas that can be used for any type of sign. Thus enabling unlimited design possibilities.
With OLEDs, the future of light is here today

The most advanced light source in the world is impressive for more than just its light. Its luminescence reflects on its applications and manufacturer. OLEDs are considered an innovative light source and provide the light of tomorrow.

Those who start working with them today can benefit from this innovation, not only in the field of emergency exit signs, but anywhere that signs can be integrated into an architectural concept. Future OLED developments – for example transparency – will make the possibilities even more diverse. And that is a promise.

The advantages at a glance

- significantly improved visibility – up to 20 m (65 ft) – thanks to an homogenous illuminating surface and direct light
- high level of design freedom thanks to compact dimensions and printable surface
- easy installation and maintenance. OLEDs are just a few millimetres thick and weigh around 110 grams
- 5-year operating life
- Retrofit proofed: existing LED drivers can be used

The light of OLEDs is spread over the full surface of the sign. This leads to a perfectly homogeneous illumination of the pictogram (image left). In comparison to non OLED based solutions, where the light sources indirectly light the sign, the pictogram becomes the light source itself. The result: better recognition from the distance and an end to the „Zebra“-effect as seen above.
Nominal Characteristics Philips Lumiblade SI210.105

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (outer)</td>
<td>222.6 mm x 119.4 mm x 2.5 mm (8.76 in x 4.71 in x 0.09 in)</td>
</tr>
<tr>
<td>Dimensions (lit area)</td>
<td>210 mm x 105 mm (8.27 in x 4.13 in)</td>
</tr>
<tr>
<td>Current</td>
<td>230 mA</td>
</tr>
<tr>
<td>Voltage</td>
<td>6 V</td>
</tr>
<tr>
<td>Power consumption</td>
<td>1.38 W</td>
</tr>
<tr>
<td>Luminance</td>
<td>800 cd/m²</td>
</tr>
<tr>
<td>Color temperature</td>
<td>4,500 K</td>
</tr>
<tr>
<td>Homogeneity</td>
<td>&gt; 66 %</td>
</tr>
<tr>
<td>Lifetime</td>
<td>5 years</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 112 gr.</td>
</tr>
</tbody>
</table>

Logistic Code: 9254.000.06400
Conform with safety requirements IEC 62031, 62471

Standards, compliance and sustainability
Philips Lumiblade products are environmentally friendly by avoiding the use of hazardous materials and by providing efficient illumination. These products are RoHS (EU directive 2002/95/EC) compliant

Contact:
Philips Technologie GmbH
Business Center OLED Lighting
Philipsstr. 8, 52068 Aachen, Germany
info@lumiblade-experience.com

For more information visit:
www.lumiblade-experience.com
www.facebook.com/lumiblade
www.twitter.com/lumiblade
www.youtube.com/user/PhilipsLumiblade

© 2013 Koninklijke Philips N.V.
All rights reserved. Correct at 12/2013